

DETAILED ACTION

1. This Office Action is response to Applicants' AMENDMENT filed on 07/02/2009.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Jason F. Lindh (Reg. No. 59,090) on 10/26/2009 (509) 944-4715 @ 1:30 PM.

The application has been amended as follows:

Claims 1-23:

Cancel claims 1-23

Claim 24:

24. (Currently Amended) A system for determining context comprising:
- a processor; and
 - one or more computer-readable media encoded with:
 - a first hierarchical tree structure having multiple nodes associated with a first context, wherein the first hierarchical tree structure resides on the one or more

computer-readable storage media and the first hierarchical tree structure comprises a standardized view of the Earth and a plurality of attributes, one of which comprising information that pertains to the tree with which the node is associated;

~~at least one~~ a second hierarchical tree structure having multiple nodes associated with a second context, wherein the second hierarchical tree structure resides on the one or more computer-readable storage media and the at least one second hierarchical tree structure comprises a plurality of attributes, one of which comprising information that pertains to the tree with which the node is associated and an organization-specific view of ~~at least~~ a portion of the Earth, the organization-specific view comprising a physical/logical entity that links into specific portions of the Earth and the organization-specific view has no context outside of the organization, wherein the ~~at least one~~ second hierarchical tree structures comprise a plurality of nodes, wherein each node is assigned an organization-specific proprietary identifier; and

~~at least one~~ node from the ~~at least one~~ second hierarchical tree structure being linked with one node on the first hierarchical tree structure by a link that is configured to enable a complete context to be derived from the first and second contexts, individual nodes having unique IDs that serve as a basis by which attributes are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region;

said multiple nodes comprising parent and children nodes, ~~at least~~ wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node.

Claim 27:

Please removing the "at least one" in front of the "second hierarchical tree structure" in the claim 27

Claim 28:

Cancel claim 28

Claim 29:

In the first line of claim 29, the "the system of claim 28" is replaced with "The system of claim 24"

Claim 30:

Please removing the "at least one" in front of the "second hierarchical tree structure" in the claim 30

Claims 31-32:

Cancel claims 31-32

Claims 33-36:

In the first line of claims 33-36, the "the computer-readable media" is replaced with "the computer-readable storage media"

Claims 37-47:

Cancel claims 37-47

Claim 48:

48. (Currently Amended) One or more computer-readable storage media having computer-readable instructions thereon which, when executed by a computing device, cause the computing device to:

access first and second hierarchical tree structures, each tree structure comprising having multiple nodes and a plurality of attributes, wherein a plurality comprises information that pertains to the tree with which the node is associated, the nodes of the first hierarchical tree structure being associated with a first location context, the nodes of the second hierarchical tree structure being associated with a second location context and each node of the second hierarchical tree structure being assigned an organization-specific proprietary identifier, ~~at least one~~ a node of the second hierarchical tree structure being linked with a node of the first hierarchical tree structure; and

traverse ~~at least one~~ a node of each tree structure to derive a location context, at ~~least one~~ a node in a traversal path that leads to a root node of the second hierarchical tree structure being linked with a node of the first hierarchical tree structure, individual nodes having unique IDs that serve as a basis by which attributes ~~can be~~ are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region, said multiple nodes comprising parent and children nodes, ~~at least~~ wherein some of the

parent nodes and their associated children nodes having IDs that are unique for the associated node.

Claims 49-53:

In the first line of claims 49-53, the "the computer-readable media" is replaced with "the computer-readable storage media"

Claims 54-57:

Cancel claims 54-57

Claim 58:

58. (Currently Amended) A computer-implemented method of building context-aware data structures comprising:

receiving, by a particular computing device, input from a source that specifies information pertaining to physical and/or logical entities;

processing the information to define a hierarchical tree structure having a context, the tree structure comprising multiple nodes each of which represent a separate physical or logical entity, said multiple nodes comprising parent and children nodes, at least wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node;

linking ~~at least one~~ a node of the multiple nodes to a node of another tree structure having a context and multiple nodes that represent physical and/or logical entities, individual nodes comprising:

a unique ID that serve as a basis by which attributes are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region; and an organization-specific proprietary identifier;

the tree structures being configured for traversal in a manner that enables context to be derived from one or more of the nodes wherein each of the hierarchical tree structures comprise a plurality of attributes, wherein a plurality comprises information that pertains to the tree with which a node is associated.

Claim 60:

In the first line of claim 60, the “the computer-readable media” is replaced with “the computer-readable storage media”

Claim 61:

Cancel claim 61

Claim 62:

62. (Currently Amended) A system for determining context comprising:
a processor; and

one or more computer-readable storage media encoded with:

a first hierarchical tree structure having multiple nodes associated with a first context, wherein the first hierarchical tree structure resides on the one or more computer-readable storage media and the first hierarchical tree structure comprises a standardized view of the Earth;

~~at least one~~ a second hierarchical tree structure having multiple nodes associated with a second context, wherein the second hierarchical tree structure resides on the one or more computer-readable storage media and the ~~at least one~~ second hierarchical tree structure comprises an organization-specific view of ~~at least~~ a portion of the Earth, the organization-specific view comprising a physical/logical entity that links into specific portions of the Earth and the organization-specific view has no context outside of the organization, wherein the ~~at least one~~ second hierarchical tree structures comprise a plurality of nodes, wherein each node is assigned an organization-specific proprietary identifier; and

~~at least one~~ a node from the ~~at least one~~ second hierarchical tree structure being linked with one node on the first hierarchical tree structure by a link that is configured to enable a complete context to be derived from the first and second contexts, individual nodes having unique IDs that serve as a basis by which attributes are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region;

said multiple nodes comprising parent and children nodes, ~~at least~~ wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node;

wherein the nodes of the first hierarchical tree structure comprise geographical divisions of the Earth;

wherein the first and the at least one second hierarchical tree structures comprise a plurality of attributes, ~~one of which comprising information~~ wherein a plurality comprises information that pertains to the tree with which the node is associated.

Claims 63-65:

Cancel claims 63-65

3. Claims 1-23, 28, 31-32, 37-47, 54-57, 61 and 63-65 are cancelled.
4. Claims 24-27, 29-30, 33-36, 48-53, 58-60 and 62 are allowed.

Allowable Subject Matter

5. The following is an examiner's statement of reasons for allowance:

The present application has been thoroughly reviewed. Upon searching a variety of databases, the examiner respectfully submits that claims 24-27, 29-30, 33-36, 48-53, 58-60 and 62 are allowed in light of the applicants' argument and in light of the prior arts

of made record that combination of SIMONETTI (US Patent No. 5,295,261), Boulton et al. (Patent No.: US 5,566,291) and WANG (Patent No.: US 5,539,922) fail to teach processing the information to define a hierarchical tree structure having a context, the tree structure comprising multiple nodes each of which represent a separate physical or logical entity, said multiple nodes comprising parent and children nodes, wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node; linking a node of the multiple nodes to a node of another tree structure having a context and multiple nodes that represent physical and/or logical entities, individual nodes comprising: a unique ID that serve as a basis by which attributes are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region; and an organization-specific proprietary identifier; the tree structures being configured for traversal in a manner that enables context to be derived from one or more of the nodes wherein each of the hierarchical tree structures comprise a plurality of attributes, wherein a plurality comprises information that pertains to the tree with which a node is associated.

The dependent claims, being definite, further limiting, and fully enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANH LY whose telephone number is (571) 272-4039 or via E-Mail: ANH.LY@USPTO.GOV (Written Authorization being given by Applicant (MPEP 502.03 [R-2])) or fax to (571) 273-4039 (unofficial fax number directly to Examiner's office). The examiner can normally be reached on TUESDAY – THURSDAY from 8:30 AM – 3:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene (571) 272-4107.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Any response to this action should be mailed

Art Unit: 2162

to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or faxed to:

Central Fax Center: (571) 273-8300.

Anh Ly /AL/

Examiner GAU: 2162

NOV. 2nd, 2009

/Jean B. Fleurantin/

Primary Examiner, Art Unit 2162